Curriculum Vitae

Saida Sharifova, PhD in Biology

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WORK EXPERIENCE

Graduate School of Science, Art and Technology, Dean (October 2020 – Present)
Khazar University, Baku, Azerbaijan

Division of Graduate Studies and Research, Chair (November 2019 – September 2020)
Khazar University, Baku, Azerbaijan

Scientific Secretary / Leading researcher (November 2016 – November 2019)
Genetic Resources Institute, Azerbaijan National Academy of Sciences (ANAS), Baku, Azerbaijan

Department of Education, Chair (May 2016 - November 2016)
Department of Education, Genetic Resources Institute, ANAS

Senior researcher (January 2015 – May 2016)
Department of Biotechnology, Genetic Resources Institute, ANAS

Researcher (January 2010 – December 2014)
Department of Horticultural Crops, Genetic Resources Institute, ANAS

TEACHING

Department of Life Sciences, Khazar University (February 2020 – present)
Cell Biology, Fundamentals of Bioinformatics, Methods in Molecular Biology

Department of Education, Genetic Resources Institute, ANAS (September 2016 – July 2018)
Methods in Molecular Biology

EDUCATION

PhD in Plant Genetics (2006-2010)
Genetic Resources Institute, ANAS

MSc in Plant Physiology (2003-2005)
Baku State University, Baku, Azerbaijan

BSc in Biology (1999-2003)
Baku State University, Baku, Azerbaijan

FELLOWSHIPS/SCHOLARSHIPS

DAAD – German Academic Exchange Service / Research Stays for University Academics and Scientists (December 2018 - February 2019)
Research Department Plant Sciences, Group of Professorships for Population Genetics, Technical University of Munich, Germany

Fulbright Visiting Scholar Program (August 2017 - November 2017)
The United States Department of State
Plant Biology Department, University of California, Davis, USA

Post Doctorate: Erasmus Mundus Program, ALRAKIS II Project (November 2013 – August 2014)
The European Union
Warsaw University of Life Sciences, Warsaw, Poland

Sandwich Doctorate: Erasmus Mundus Action 2 Program (October 2011 – July 2012)
The European Union
Alexander Technological Educational Institution of Thessaloniki, Greece

LANGUAGE SKILLS

Mother tongue(s): Azerbaijani
Other language (s): English - C1; Russian – B1

JOB-RELATED SKILLS

- Common techniques of molecular genetics
- DNA marker technology for diversity studies
- Genotyping by Sequencing in plants
- RNA-Seq, transcriptome profiling experiments
- Ion Torrent Next Generation Sequencing Platform (library preparation, sequencing, etc.)
- UNIX command line tools for manipulation and analysis of genomic data
- Fundamentals of Python programming
- Galaxy, CLC Genomics Workbench, MEGA6, Cytoscape, etc.

PROJECTS

- Drought stress-modulated alternative splicing landscapes in plants (2021 -)
- RNA-Seq analysis of drought responsive transcriptome of *S. chilense*. Funded by German Academic Exchange Service. 2018-2019.
- Regulating WRKY networks to increase crop yield in changing climates. Funded by the Azerbaijan National Academy of Sciences and Science and Technology Center in Ukraine. 2017-2018 (participant).
- Transcriptome analysis of leaf tissue of *S. chilense* by RNA sequencing. Funded by The US Department of State and Professor Sinha's lab at the University of California, Davis, within the frame of Fulbright Visiting Scholar Program. 2017.
- Whole genome and transcriptome sequencing of Azerbaijani pomegranate (*P. granatum*) variety "Guloysha". Funded by the Azerbaijan National Academy of Sciences. 2016-2017 (participant).
- Strengthen of the material-technical base of fundamental research for the efficient use of the land and the plant genetic diversity. Funded by Science Development Foundation of Azerbaijan. 2012-2015 (participant).

WORKSHOPS & TRAINING

- Analysis of Genotyping by Sequencing Data. Organized by Statistical, Economic and Social research and Training Centre for Islamic Countries (SESRIC). Uludag University, Turkey, 05-07 March 2018
- Collecting, Handling and Long-Term Conservation of Seeds of Wild Species Related to Crops. Workshop organized by Royal Botanic Gardens, Kew, England and Genetic Resources Institute of Azerbaijan National Academy of Sciences, 23-27 May 2016
- Ion Torrent™ Next-Generation Sequencing Technology, Genotyping by Sequencing for plant genetic diversity analysis. Kansas State University, USA, December 2014
- Application of modern conventional tools in Plant Genetic Resources characterization, pre-breeding, and breeding. Course organized by International Center for Agricultural Research in Dry Areas (ICARDA), International Maize and Wheat Improvement Center (CYMMIT) and Food and Agriculture Organization (FAO). 17-21 June 2011
- DNA marker application for Crop Improvement and Biotechnology tools in PGR Utilization. Course

organized by International Center for Agricultural Research in Dry Areas (ICARDA), International Maize and Wheat Improvement Center (CYMMIT) and Food and Agriculture Organization (FAO), 25-29 April 2011

- Scientific Overview of Biotechnology as Applied to Food and Feed. Course organized by United State Department of Agriculture. 2009
- Bioinformatics/Current Progress and Practical Applications. Course organized by COMSTECH, Organization of the Islamic Conference, Ministry of Communications and Information Technologies, Azerbaijan and COMSATS Institute of Information Technology, Pakistan, 23-28 June 2008

PUBLICATIONS

- S.P. Mehdiyeva, M.E. Eldarov, S.S. Sharifova, M.A. Abbasov, A.J. Aliyeva, Z.I. Akparov. Diversity of the Triticeae genetic resources in Garabagh region of Azerbaijan. Journal of Life Sciences and Biomedicine, 2021, No 1 (Special Issue)
- Niyazi Guliyev, Saida Sharifova, Javid Ojaghi, Mehraj Abbasov, Zeynal Akparov (2018). Genetic diversity among melon (*Cucumis melo* L.) accessions revealed by morphological traits and ISSR markers. Turkish Journal of Agriculture and Forestry 42: doi: 10.3906/tar-1707-18 **(Web of Science)**
- Małgorzata Targońska-Karasek, Hanna Bolibok-Brągoszewska, Tymoteusz Oleniecki, Saida Sharifova, Marta Kopania, Monika Rakoczy-Trojanowska (2018). Verification of taxonomic relationships within the genus Secale (Poaceae: Pooideae: Triticeae) based on multiple molecular methods. Phytotaxa, 383(2), pp.128-146. **(Web of Science)**
- S.V. Hajiyeva, Z.I. Akparov, N.A. Hasanov, Z.P. Mustafayeva, E.S. Hajiyev, A.T. Mammadov, V.I. Izzatullayeva, S.M. Babayeva, S.S. Sharifova, A.M. Mammadov M.A. Abbasov (2018). ISSR analysis of variability of cultivated form and varieties of pomegranate(*Punica granatum* L.) from Azerbaijan. Russian Journal of Genetics, Vol. 54, No. 2, p. 188–197. **(Web of Science)**
- S. Sharifova, S.Mehdiyeva, M.Abbasov (2017). Analysis of genetic diversity among different tomato genotypes using ISSR DNA markers. Genetika (Serbia), Vol.49, №1, p.31-42. **(Web of Science)**
- Saida Sharifova, Gurban Gurbanov, Vafa Rustamova, Zeynal Akparov (2017). Molecular screening of tomato (*S. lycopersicum* L.)genotypes for resistance alleles against biotic stresses. The Proceeding of the Genetic Resources Institute, ANAS, (6) №1-2, p.76- 84.
- Gawronski P, Pawelkowicz M, Tofil K, Uszynski G, Sharifova S, Ahluwalia S, Miroslaw T, Wedzony M, Kilian A and Bolibok- Bragoszewska H. (2016). DArT markers effectively target gene space in the rye genome. Frontiers in Plant Sciences, 7: 1600. doi:10.3389/fpls.2016.01600 **(Web of Science)**
- S.S. Sharifova, R.T. Aliyev, I.A. Shahmuradov (2015). In silico analysis on frequency and types of simple sequence repeats in expressed sequence tags (ESTs) of different tomato species. The Reports of National Academy of Sciences of Azerbaijan, (1), p 66-71.
- J.M. Mursalova, Z.I. Akparov, S.S. Sharifova, J.M. Ojaghi, M.E. Eldarov, A.I. Morgounov, M.R. Trojanowska (2015). Investigation of genetic diversity of wheat genotypes (*T. aestivum* L.) using microsatellite markers. The Reports of National Academy of Sciences of Azerbaijan, (2), p. 87-92.
- Saida Sharifova, Sabina Mehdiyeva, Konstantinos Theodorikas, Konstantinos Roubos (2013). Assessment of genetic diversity in cultivated tomato (*S. lycopersicum* L.) genotypes using RAPD primers. Journal of Horticultural Research, vol. 21(1): 83-89.
- Saida Sharifova, Sabir Hasanov, Alisoltan Babayev, Niyazi Guliyev (2012). Some characteristics of the newly obtained constant sweetpepper (*C. annuum* L.) hybrids. Field and Vegetable Crops Research. 49(1): p.122-125.
- S.S. Sharifova (2007). Current status of the Solanaceae collection in Azerbaijan. Report of vegetable network, second meeting (ECPGR). 137-138.